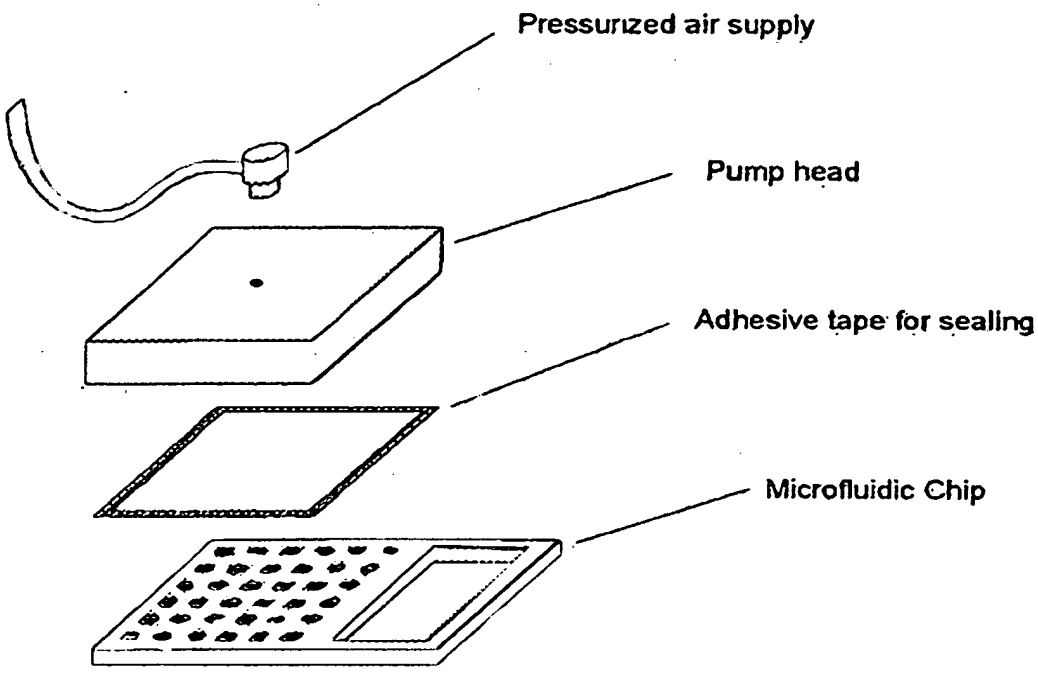

Pressurized air supply
Pump head
Adhesive tape for sealing
Microfluidic Chip

FIG. 1A

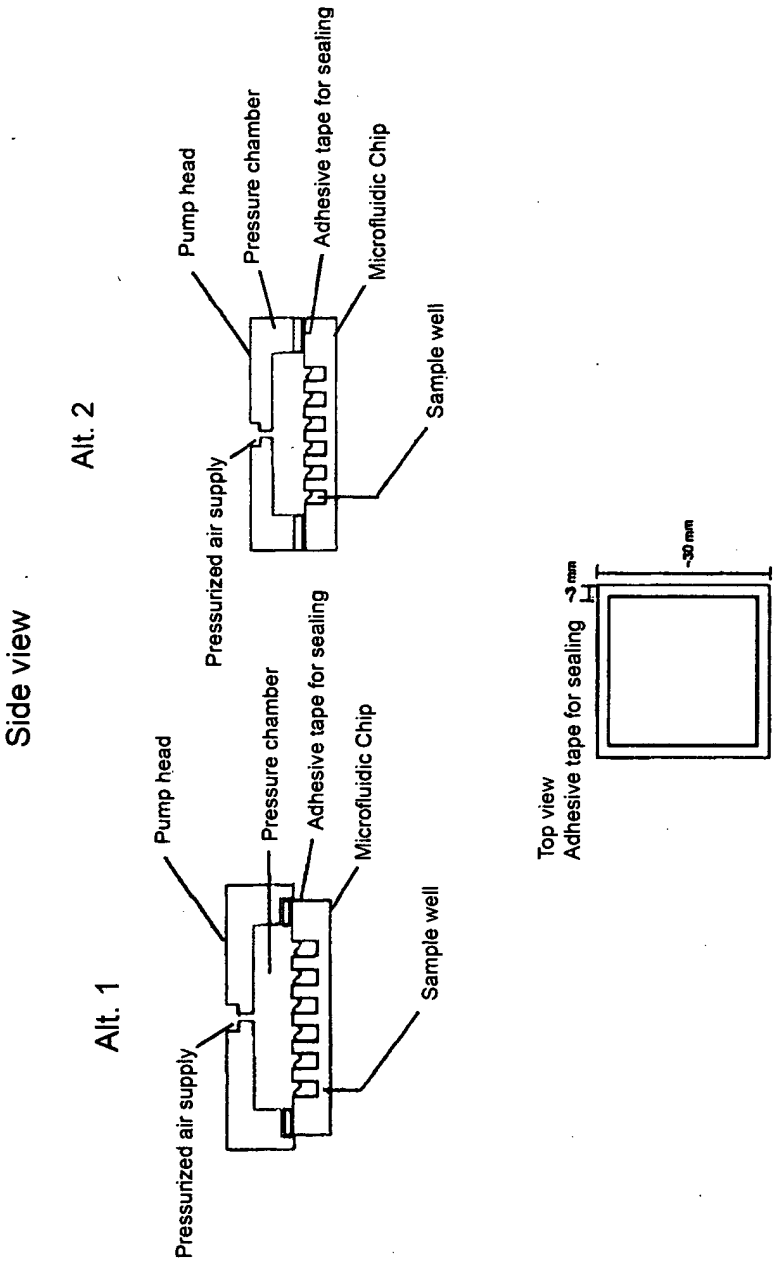

Side view
Alt. 2
Pump head
Pressure chamber
Adhesive tape for sealing
Microfluidic Chip
Sample well
Pressurized air supply
Alt. 1
Pump head
Pressure chamber
Adhesive tape for sealing
Microfluidic Chip
Sample well
Pressurized air supply
Top view
Adhesive tape for sealing
~3 mm
~30 mm

Fig. 1B

FIG. 2A

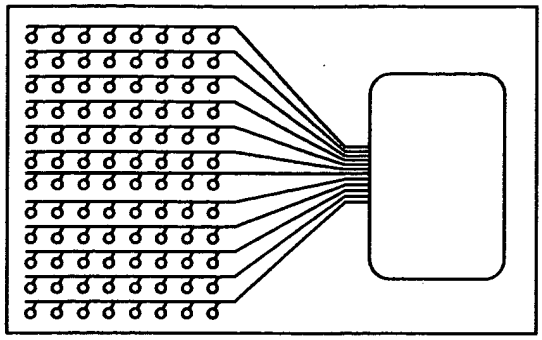


FIG. 2B

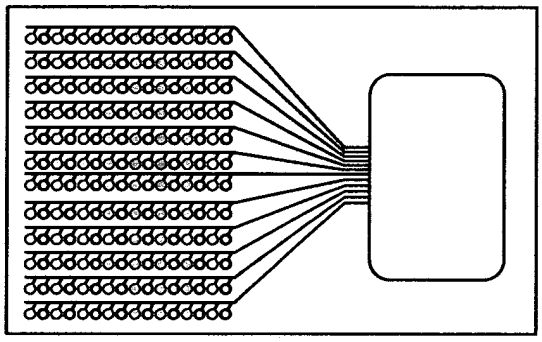


FIG. 2C

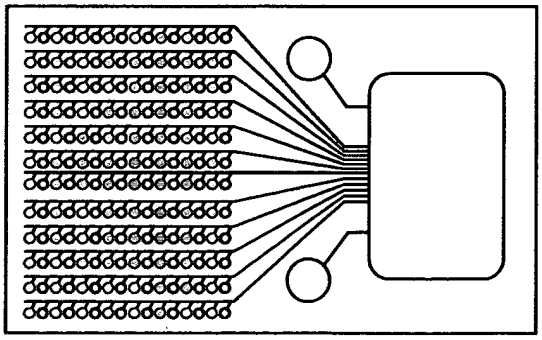


FIG. 3C

FIG. 3B

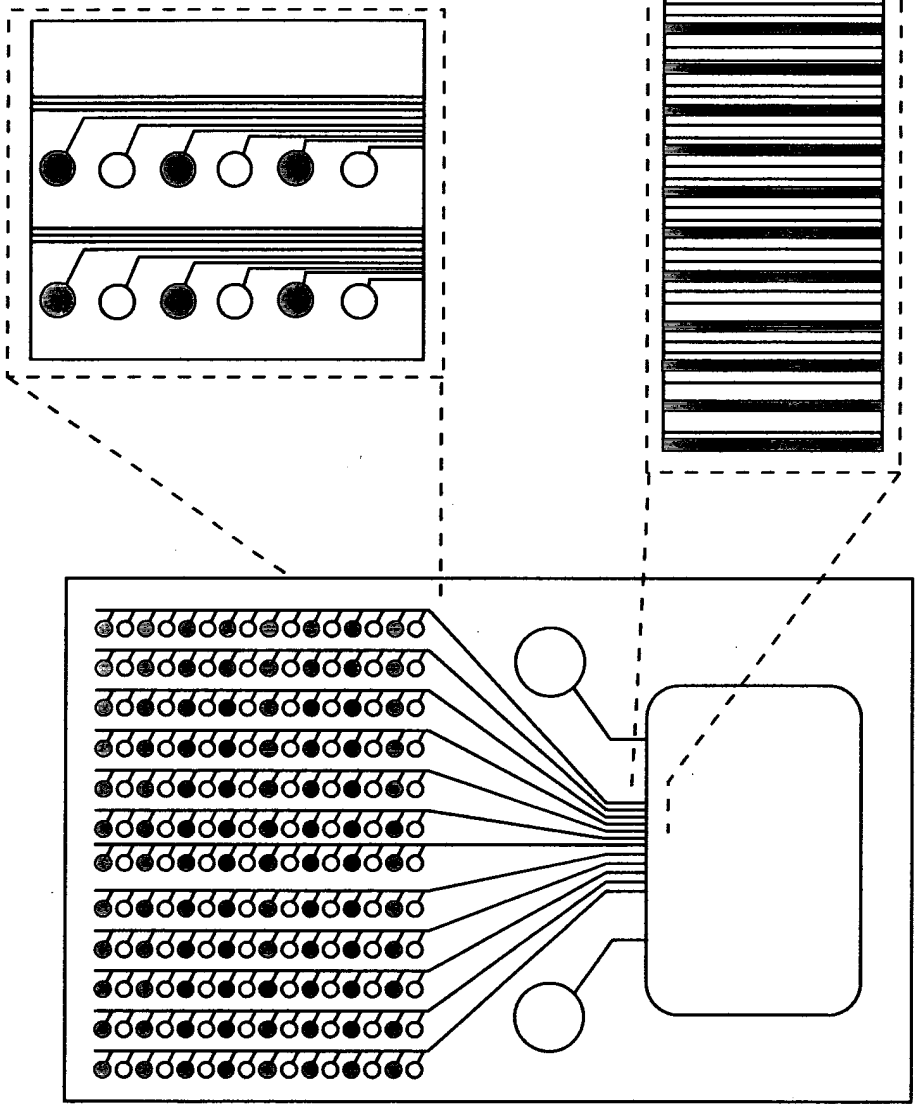


FIG. 3A

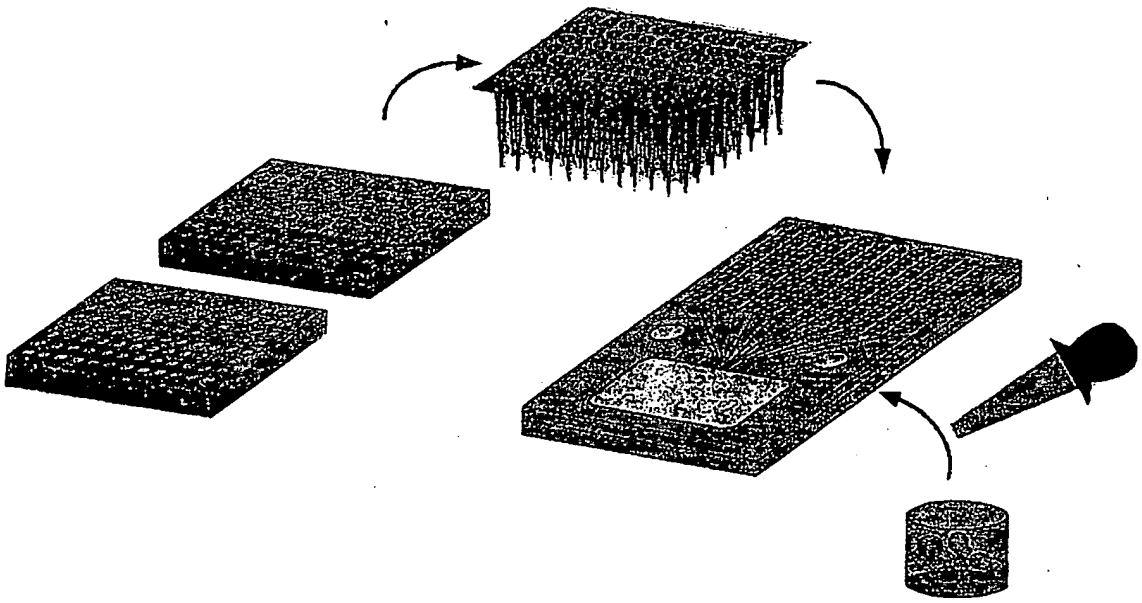


FIG. 4

FIG. 5A

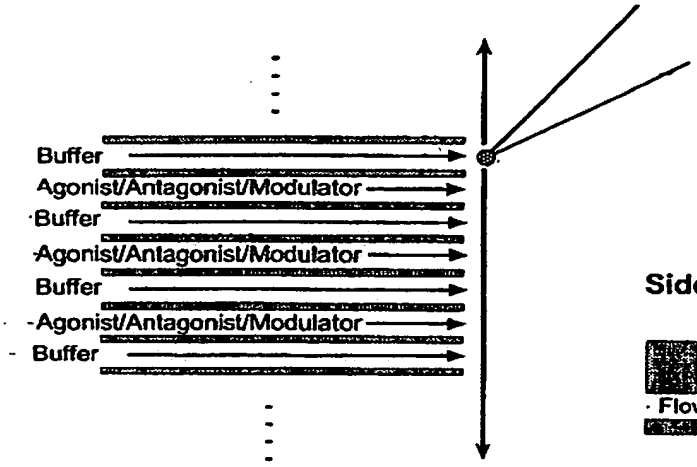
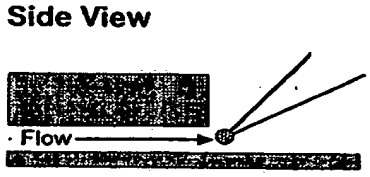


FIG. 5B



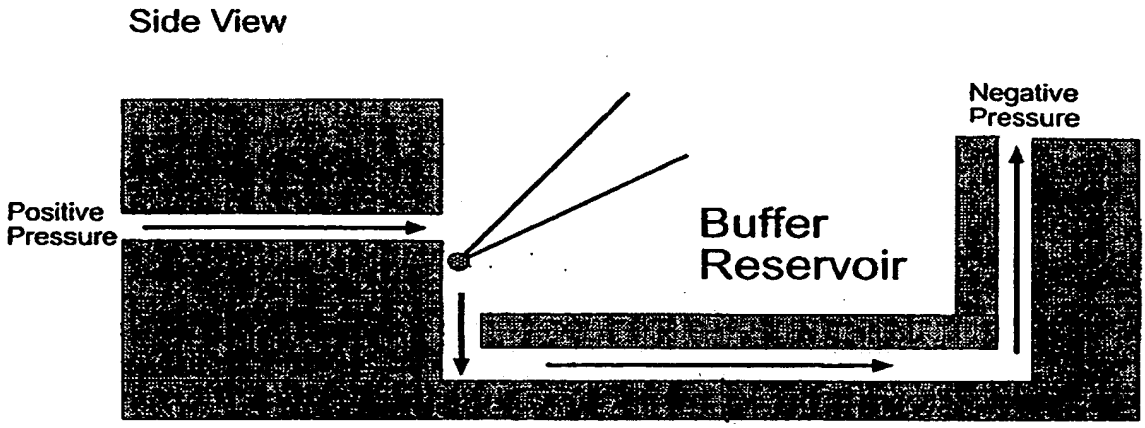


FIG. 5C

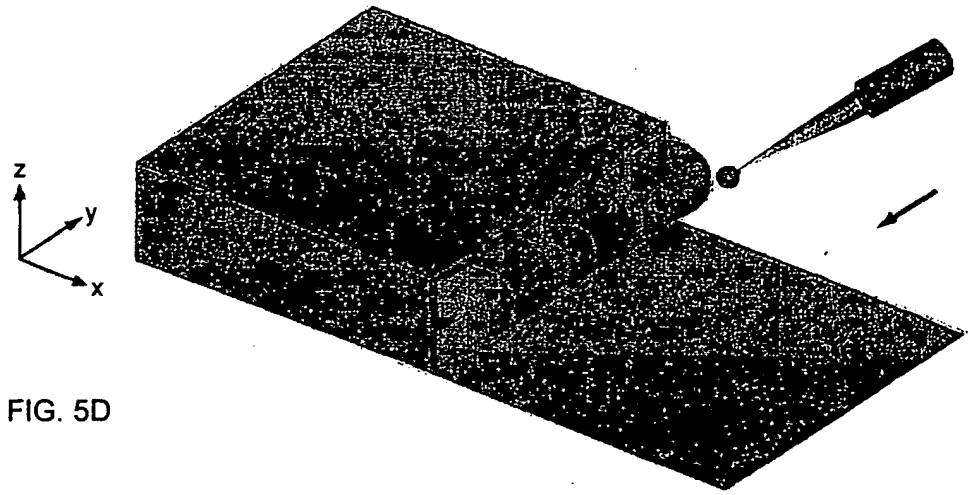


FIG. 5D

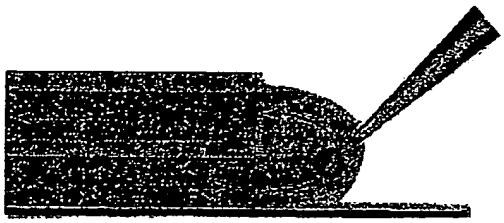


FIG. 5E

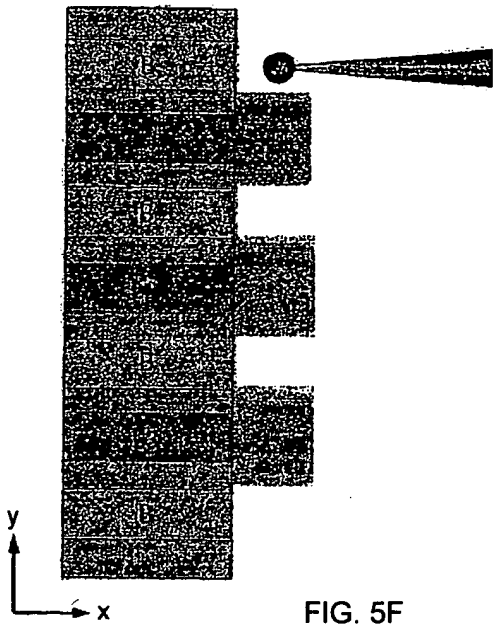
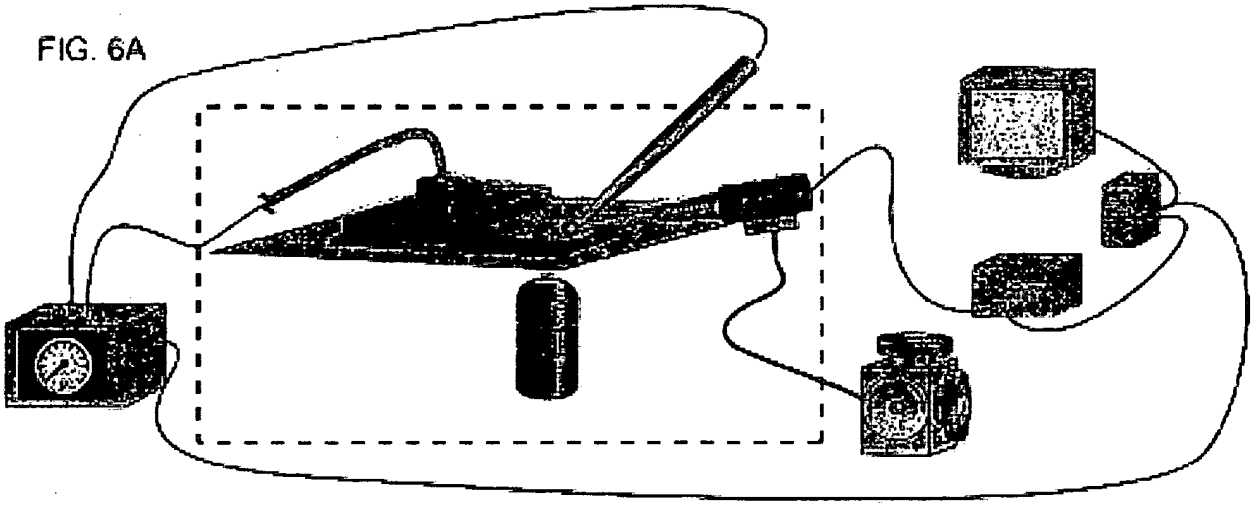


FIG. 5F

FIG. 6A



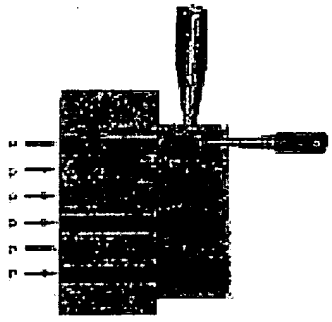


FIG. 6B

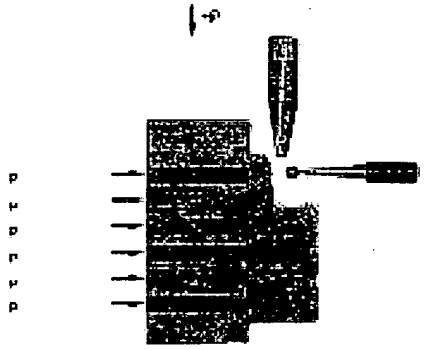


FIG. 6C

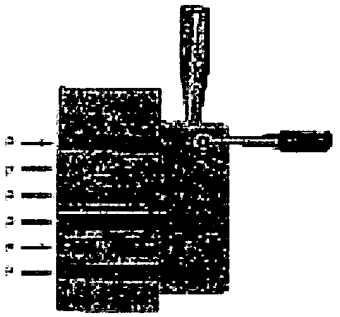


FIG. 6D

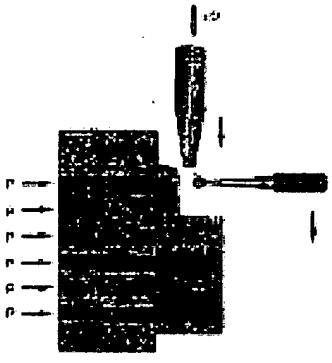


FIG. 6E

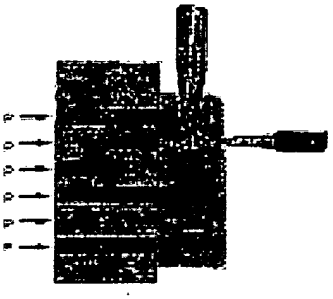


FIG. 6F

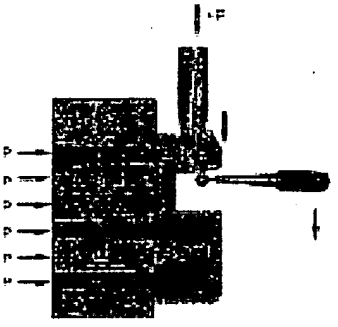
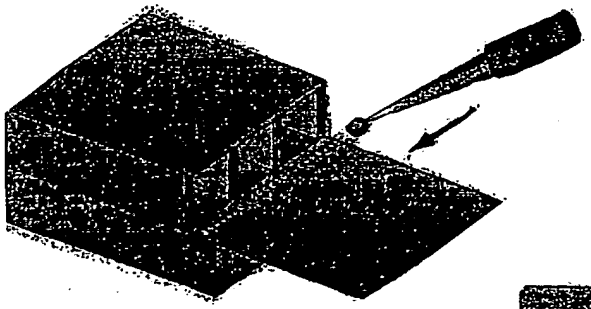


FIG. 6G

FIG. 6H



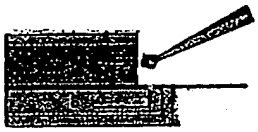


FIG. 6I

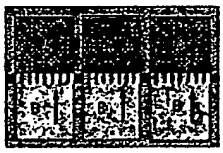


FIG. 6J

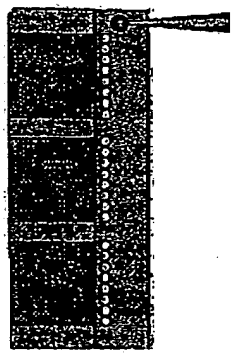


FIG. 6K

FIG. 6L

FIG. 6M

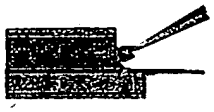


FIG. 6N

FIG. 7B

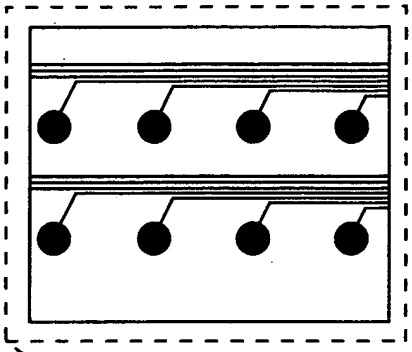
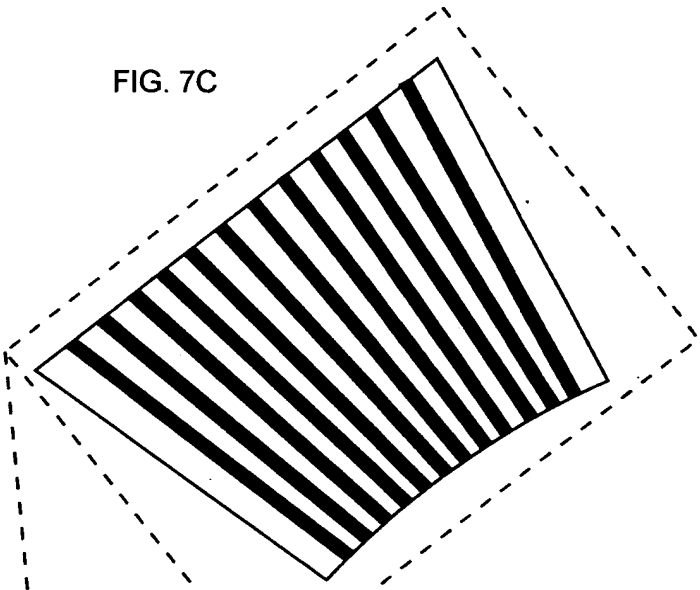


FIG. 7C



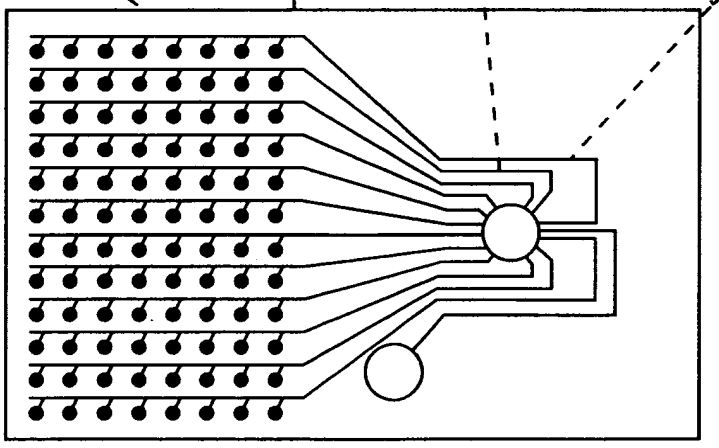


FIG. 7A

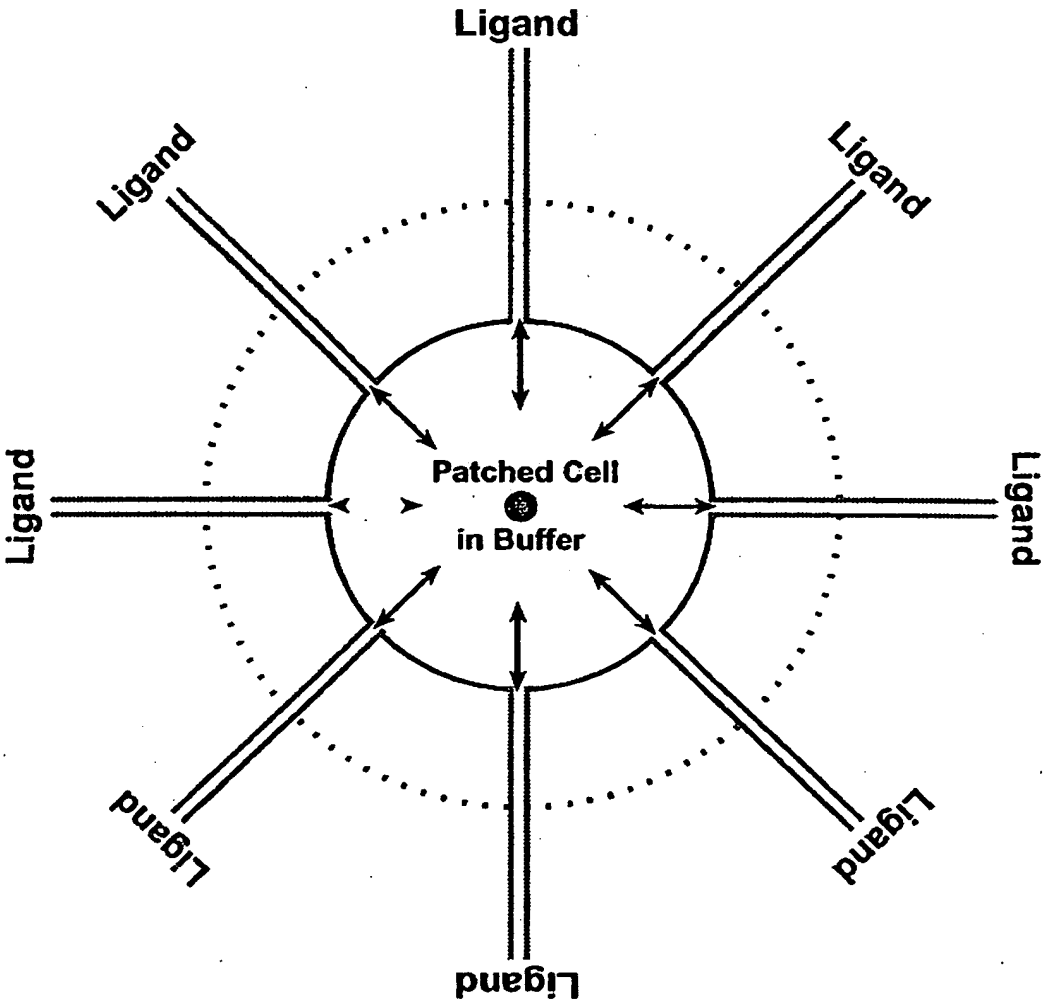

Ligand
Ligand
Ligand
Ligand
Ligand
Patched Cell
in Buffer
Ligand
Ligand
Ligand

FIG. 8

FIG. 9B

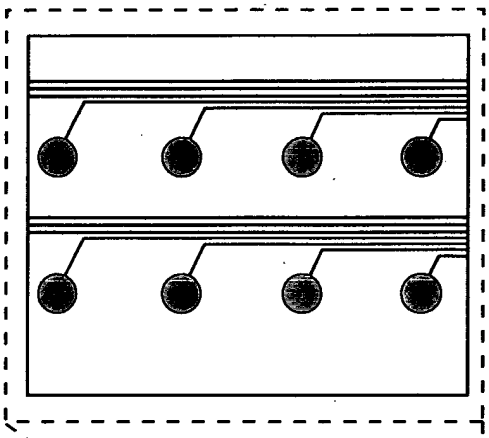
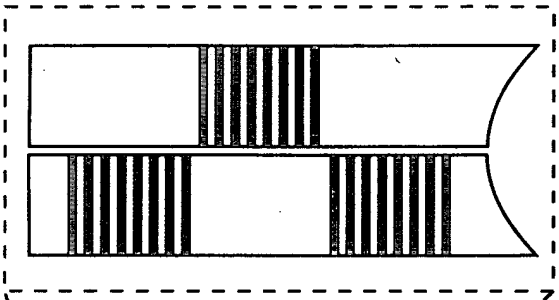


FIG. 9C



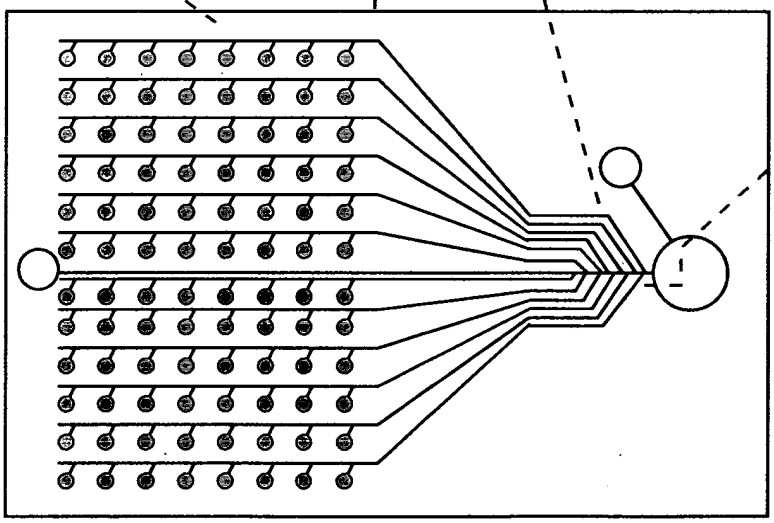
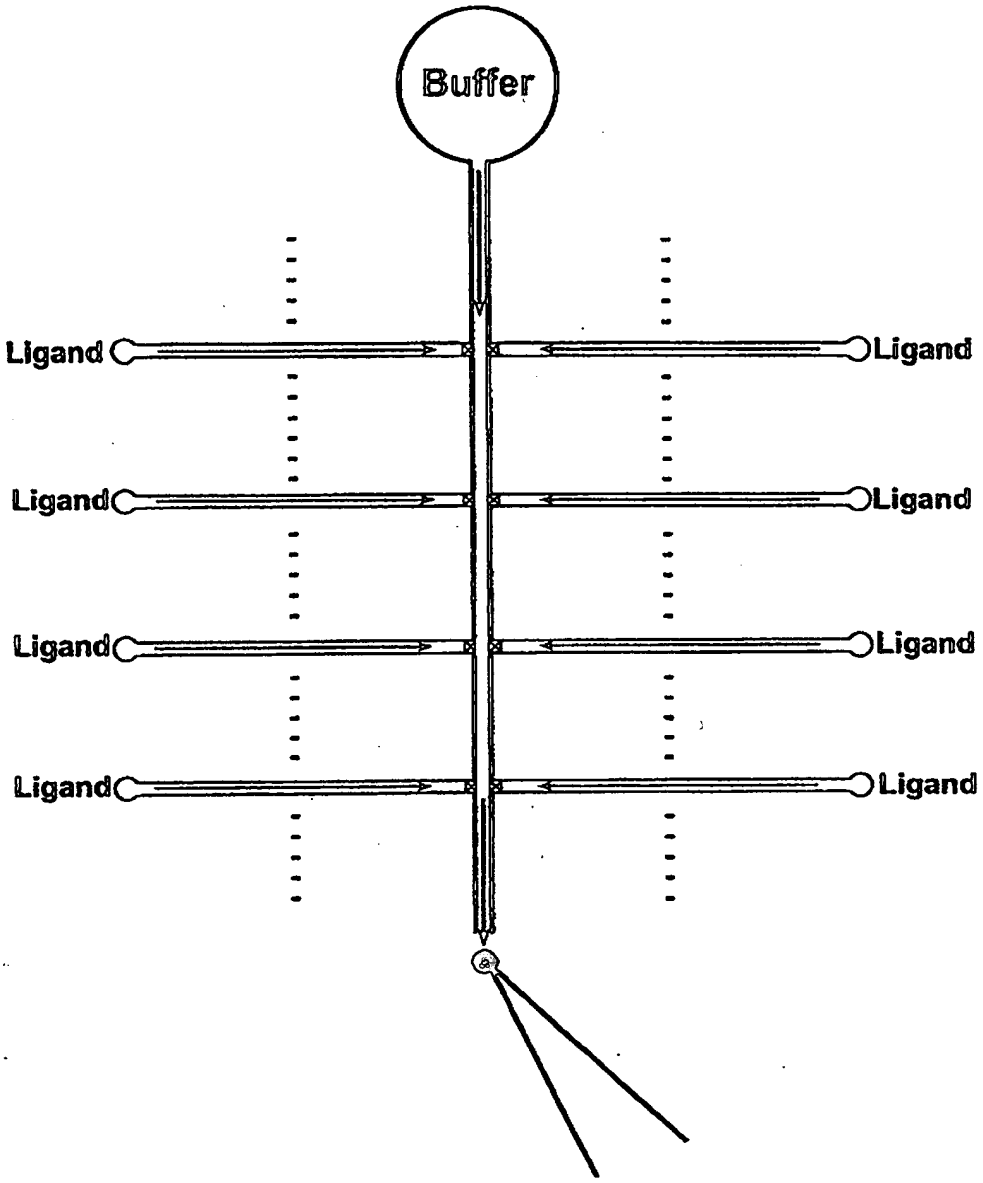


FIG. 9A


Buffer
Ligand
Ligand
Ligand
Ligand
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Ligand
Ligand
Ligand

FIG. 10